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NEW BREAK-CIRCUIT ATTACHMENT FOR HOHWU
SIDERIAL CLOCK, No. 8.

BY R. H. TUCKER.

The break-circuit made for this clock by Mr. A. F. POOLE was attached on April 1st.

It has required adjustment from time to time, owing possibly to change in the length of the pendulum rod, from changes in temperature. The adjustment can be easily and accurately made, the construction admitting of great delicacy.

Although the pendulum has to do the work of breaking the circuit, by raising a balanced lever, similar in character to that required by the spring attachment used previously on this clock, and on clock No. 3, by the same maker, the rate of the clock does not appear to be affected thereby.

The following rates will show the performance of the clock with the break attachment, and without:

Daily Rate, April 12 to April 22,	+ 0 ^o .43, with break;
" " April 22 to May 2,	+ 0.47, without break;
" " May 2 to May 12,	+ 0.40, with break.

NOTE ON THE YERKES OBSERVATORY.

BY PROFESSOR G. E. HALE, Director.

The illustration in this number of the *Publications* is a reproduction of a water-color sketch showing the YERKES Observatory as it will appear when completed. The construction of the building at Lake Geneva is now advancing rapidly, and it is hoped that the forty-inch telescope will be ready for use in the spring of 1896.

The form of the building is that of a Roman cross, with three domes and a meridian room at the extremities. The long axis of the cross lies east and west, with the dome for the forty-inch telescope at the western end. This dome, for which the contract has been awarded to WARNER & SWASEY, is ninety feet in diameter. As the tube of the forty-inch telescope is sixty-two